

TECHNICAL DATA

BASIC DATA

Rated voltage	12	V
20hr capacity at end voltage 1,75V/cell at 25°C	55	Ah
Internal resistance (fully charged battery at 25°C)	8	mΩ

DIMENSIONS

Length	226(±1)	mm
Width	135(±1)	mm
Height	207(±1)	mm
(Height with terminals)	214(±1)	mm
Weight	17,00	kg

TERMINALS

INSERT TERMINAL	M6	-
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OPERATION TEMPERATURE RANGE

Storage	-15°C to +40°C
Charge	-15°C to +40°C
Discharge	-15°C to +50°C

STORAGE

Selfdischarge after 3 months at 20°C	6	%
Selfdischarge after 6 months at 20°C	15	%
Selfdischarge after 12 months at 20°C	37	%

CASE MATERIAL

Standard	ABS (UL 94:HB)
Flame retardant	ABS (UL94:V0)

CHARGE VOLTAGE

Float charge at 25°C	13,65 V ± 0,18 V
Cycle charge at 25°C	14,70 V ± 0,30 V

CHARGE CURRENT

Recommended	5,5	A
Maximum	16,5	A

MAX. DISCHARGE CURRENT

5 sec.	660	A
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DESIGNED LIFE

Bpower designed life at 25°C	up to 8	years
At 20°C according to Eurobat - General Purpose group	10 - 12	years

CYCLE LIFE

At 100% D.O.D.	300	cycles
At 50% D.O.D.	700	cycles

PHOTO



APPLICATIONS

- wheelchair
- cleaning machines
- boats
- photovoltaic systems
- mobile devices
- devices powered by an electric motor
- devices with high cyclical work

SAFETY



DISCHARGE CHARACTERISTICS

• Constant (Current [A], 25 [°C])

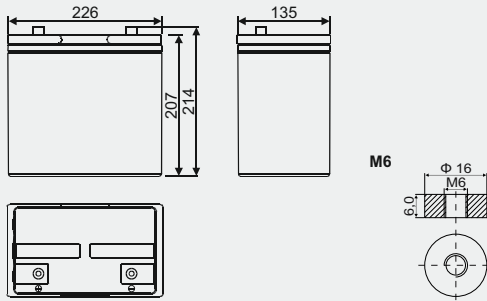
F.V. V/cell	Discharge time										
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,85	176	110	83,5	43,8	29,4	16,9	13,0	10,09	9,32	5,39	2,76
1,80	204	127	95,6	50,2	33,2	18,4	13,8	11,5	9,74	5,63	2,89
1,75	219	138	103	54,1	34,5	19,2	14,3	11,7	9,92	5,65	2,96
1,70	228	143	107	55,8	35,4	19,8	14,7	11,9	10,1	5,71	3,00
1,65	234	147	109	57,0	36,1	20,3	15,0	12,1	10,3	5,76	3,03
1,60	238	149	110	57,7	36,5	20,6	15,2	12,2	10,4	5,80	3,05

• Constant power (Power [W/cell], 25 [°C])

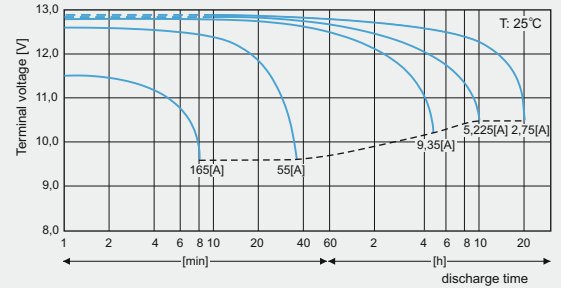
F.V. V/cell	Discharge time										
	5 min	10 min	15 min	30 min	1h	2h	3h	4h	5h	10h	20h
1,85	328	210	163	86,9	64,7	32,5	26,3	21,8	18,3	10,6	5,48
1,80	381	244	187	99,5	67,5	34,7	28,2	23,0	19,3	11,1	5,78
1,75	413	265	202	107	69,3	36,2	29,2	23,7	20,0	11,4	5,93
1,70	430	276	209	111	70,8	37,2	29,8	24,2	20,3	11,6	6,05
1,65	438	281	213	113	72,0	37,8	30,3	24,5	20,7	11,7	6,14
1,60	444	285	215	215	72,6	38,3	30,6	24,6	20,9	11,7	6,18

F.V. - Final Voltage

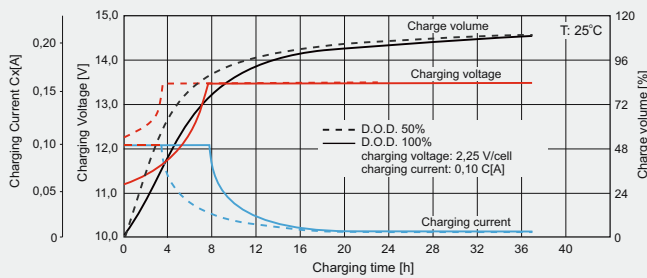
DIMENSIONS/TERMINALS



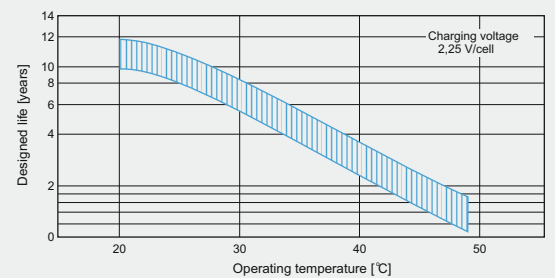
DISCHARGE CHARACTERISTICS



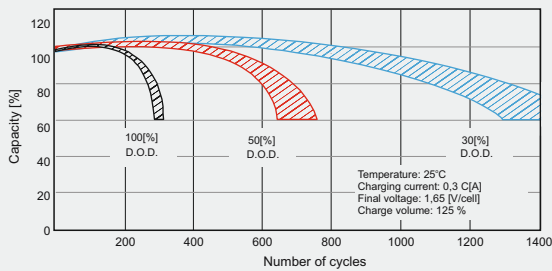
CHARGE CHARACTERISTICS



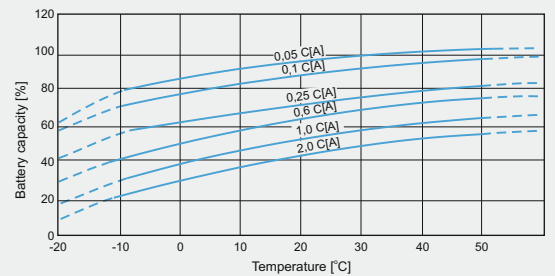
FLOAT LIFE



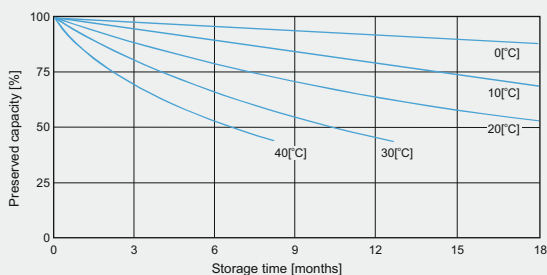
CYCLIC LIFE



CAPACITY VS. TEMPERATURE



SELFDISCHARGE CHARACTERISTICS



ENVIROMENTAL INFORMATION

EXPLOITED BATTERIES ARE CONSIDERED AS HAZARDOUS WASTE. THESE WASTES DUE TO THEIR ORIGIN, CHEMICAL COMPOSITION (THEY CONTAINS HEAVY METALS LIKE LEAD AND OTHER TOXIC SUBSTATIONS) AND OTHER FEATURES MAY BE DANGEROUS FOR ENVIRONMENT AND HUMAN OR ANIMAL HEALTH LIFE.